
Timeflux HackEEG

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This plugin provides a driver for the [HackEEG](#) shield.

INSTALLATION

First, make sure that `Timeflux` is installed.

You can then install this plugin in the *timeflux* environment:

```
$ conda activate timeflux
$ pip install timeflux_hackeeg
```

1.1 API Reference

This page contains auto-generated API reference documentation.

timeflux_hackeeg

1.1.1 timeflux_hackeeg

timeflux_hackeeg.nodes

nodes

timeflux_hackeeg.nodes.driver

driver

```
class timeflux_hackeeg.nodes.driver.HackEEG(port, rate=250, gain=24, channels=8, names=None,
                                             debug=False)
```

Bases: `timeflux.core.node.Node`

HackEEG driver.

Variables

o (*Port*) – Default output, provides DataFrame.

Parameters

- **port** (*string*) – The serial port. e.g. COM3 on Windows; /dev/cu.usbmodem14601 on MacOS; /dev/ttyUSB0 on GNU/Linux.
- **rate** (*int*) – The device rate in Hz. Allowed values: 250, 500, 1024, 2048, 4096, 8192, 16384. Default: 250.
- **gain** (*int*) – The amplifier gain. Allowed values: 1, 2, 4, 6, 8, 12, 24. Default: 24.
- **channels** (*int*) – The number of channels to enable. Default: 8.
- **debug** (*bool*) – If True, print debug information. Default: False.

Example

```
graphs:
- id: HackEEG
  nodes:
  - id: acquire
    module: timeflux_hackeeg.nodes.driver
    class: HackEEG
    params:
      port: /dev/cu.usbmodem14601
      rate: 250
  - id: display
    module: timeflux.nodes.debug
    class: Display
  edges:
  - source: acquire
    target: display
  rate: 10
```

Instantiate the node.

update()

Update the node output.

terminate()

Cleanup.

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